

# Material Safety Data Sheet

## Section I – Product

**Product Name:** Ring Fog Fluid (Cloud Ring Fluid) (Non-Hazardous) water-based natural  
**Date of Revision:** 11/11/08  
**Produced By:** CITC  
1420 80<sup>th</sup> St. SW Suite #D  
Everett, WA 98203  
**Prepared By:** MSDS Coordinator  
**Emergency Phone:** CHEM-TEL, INC. 1-800-255-3924  
**Product Code:** 150400-150430  
**WHMIS Class:** Not controlled  
**Health:** 0  
**Flammability:** 0  
**Reactivity:** 0

## Section II – Hazardous Ingredients

None

## Section III – Physical Data

**Boiling Point (C°):** Starts at 235° F, (113°C).  
**Vapor Pressure (mm Hg):** N/A  
**Vapor Density (Air = 1):** N/A  
**Water Solubility:** Complete  
**Specific Gravity:** (H<sub>2</sub>O = 1): 1.044, 77° F, (25°C)  
**% Volatile (Wt. %):** 100%  
**Evaporation Rate (Water=1):** >1  
**pH (as supplied):** 3.80  
**Viscosity:** 17.5 cps at 77° F, (25° C)  
**Appearance and Odor:** Colorless, transparent liquid, slight characteristic odor.  
**Odor Threshold (ppm):** N/A

## Section IV – Fire and Explosion Hazard Data

**Flammability:** Non-flammable  
**Flash point (TCC, °C):** Not combustible at 275°F (135° C).  
**Hazardous Combustion Products:** Smoke, carbon oxides, propionaldehyde, lactic acid, Pyruvic acid  
**Auto-Ignition Temp.(°C):** Not detectable  
**Means of Extinction:** Water, foam, dry chemicals, and carbon dioxide  
**Special Fire Hazards:** Generates a lot of smoke over 750° F (398° C).

## Section V – Health Hazard Data

**Threshold Limit Value:** Acute oral toxicity, LD50 5g/Kg

**Primary routes of exposure Carcinogen:** N/A

**Effects of Overexposure & Emergency, First Aid Procedures:**

**Ingestion:** Induce vomiting immediately

**Inhalation:** A single prolonged (hours) inhalation exposure is not likely to cause adverse effects. Mists are not reported to cause any known irritation. If heated over 750° F (398° C), possible burning smell may be evident.

**Eyes:** When heated to higher temperatures than room temperature, slight irritation to the eyes may be evident, when over 75° F (24° C). Wash with large amounts of water.

**Skin Contact:** Essentially non-irritating to the skin

**Notes to Physician:** No specific antidote.

## Section VI – Reactivity Data

**Stability:** This product is stable under normal conditions. It does not polymerize.

**Conditions to Avoid:** Incompatible with strong oxidizing agents

**Hazardous Decomposition**

**Products:** With strong oxidizing agent: carbon dioxide, acetic acid, pyruvic acid, and propionaldehyde.

## Section VII – Environmental Procedure

**Spill Response:** Wear protective equipment. Stop the leak. Pump into drums for disposal. Rinse with water.

**Waste Disposal Methods:** Organic matter in this product is biodegradable.

## Section VIII – Safe Handling and Use Information

**Respiratory Protection:** Not required in adequate ventilation. We have found levels 10x higher still are safe and cause no irritation. Low levels of exposure are only a guideline and should be used as a self-regulating tool. Some persons with pulmonary disease or respiratory disabilities react easily to any type of air stimulation. Proper care should be used to notify the public that fog will be used to allow them time to request to be relocated.

**Protective Gloves:** Not required. Use impervious gloves when prolonged or frequently repeated contact could occur.

**Eye Protection:** Safety glasses not required unless manipulating large quantities.

**Other Protective Equipment:** For large spills, use waterproof boots. Extremely slippery. Use extreme caution due to slippery surface.

## **Section IX – Shipping & Labeling Data**

**DOT Hazard Classification:** None Required – Do not freeze.  
**Proper DOT Shipping Name:** Not Regulated.

## **Section XI – User’s Responsibility**

The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment.